AMENDMENTS

In the Specification:

Please amend the paragraph on page 37, line 37 through page 38, line 19 as follows:

2. PCR 5′ Nuclease Method. Further screening was carried out using the TAQMAN® fluorogenic probe-based technique wherein a mismatched oligonucleotide probe spanning the allele is displaced, but a match oligonucleotide probe is digested by the 5′ nuclease activity of the TAQMAN® polymerase. These two states can be detected using probes that are differentially labeled with fluorogenic labels (e.g. tetra-chloro-carboxyfluoroscein (TET) or 6-carboxyfluoroscein (FAM)). The primers, probes and conditions were as follows:

Forward Primer: 5′TCAATTTGGACTGGTGTGCTC3′ (SEQ ID No. 6)

Reverse Primer: 5′TCAGAACCATTGAACAGTATGATATTTC3′ (SEQ ID NO. ~~7~~ 19)

Probe Allele 1:

5′[TET]-ATCAAGTCCTTTAATTAACACTGAAAATATATAAGCTCAGAT3′ (SEQ ID NO. 8)

Probe Allele 2:

5′[FAM]-AATCAAGTCCTTTAATTAAGACTGAAAATATATAAGCTCAGATT3′ (SEQ ID NO. 9)

Conditions: PCRs were carried out in a final volume of 50µl using 1U Taq polymerase of 7.5 mM $MgCl_2$, 0.2 mM dNTP's, 1µM oligonucleotide primers, 10% glycerol, and a mixture of fluorogenic probes (30 to 40 nM).

Cycle: [95°C, 1 min.; 64°C, 1min.] x 41.

Please insert the "Sequence Listing" pages 1-11 at the end of the specification.